

TTCCTGCCCTGACCCCCAAAGTGAGGAGAAGCTGCAAGGGAAAAGGGAGGGACAGATCAG 60  
 GGAGACCGGGGAAGAAGGAGGACGAGCCAAGGAGGCTGCTGTCCCCCACAGAGCAGCTC 120  
 GGAATCAGCTCCCGGAAGCAACCCAGCTGCGGAGGCAACGGCAGTGCTGCTCCTCCAGC 180  
 GAAGGACAGCAGGCAGGCAGACAGACAGAGGTCTGGGACTGGAAGGCCTCAGCCCCCAG 240  
 CCACTGGGCTGGGCTGGCCCAATGGCCTTTAATGACCTCCTGCAGCAGGTGGGGGGTGT 300  
 M A F N D L L Q Q V G G V  
 CGGCCGCTTCCAGCAGATCCAGGTCACCCTGGTGGTCTCTCCCCCTGCTCCTGATGGCTTC 360  
 G R F Q Q I Q V T L V V L P L L L M A S  
 TCACAACACCTGCAGAACTTCACTGCTGCCATCCCTACCCACCACTGCCGCCCGCCTGC 420  
 H N T L Q N F T A A I P T H H C R P P A  
 CGATGCCAACCTCAGCAAGAACGGGGGGCTGGAGGTCTGGCTGCCCCGGGACAGGCAGGG 480  
 D A N L S K N G G L E V W L P R D R Q G  
 GCAGCCTGAGTCTGCTCCGCTTACCTCCCCGAGTGGGGACTGCCCTTTCTCAATGG 540  
 Q P E S C L R F T S P Q W G L P F L N G  
 CACAGAAGCCAATGGCACAGGGGCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAA 600  
 T E A N G T G A T E P C T D G W I Y D N  
 CAGCACCTTCCCCTCTACCATCGTGAAGTGGGACCTTGTGTGCTCTCACAGGGCCCT 660  
 S T F P S T I V T E W D L V C S H R A L  
 ACGCCAGCTGGCCAGTCTTGTACATGGTGGGGGTGCTGCTCGGAGCCATGGTGTTCGG 720  
 R Q L A Q S L Y M V G V L L G A M V F G  
 CTACCTTGACAGACAGGCTAGGCCGCCGGAAGGTACTCATCTTGAACCTACCTGCAGACAGC 780  
 Y L A D R L G R R K V L I L N Y L Q T A

FIG. 1

TGTGTCAGGGACCTGCGCAGCCTTCGCACCCAACCTCCCATCTACTGCGCCTTCCGGCT 840  
 V S G T C A A F A P N F P I Y C A F R L  
 CCTCTCGGGCATGGCTCTGGCTGGCATCTCCCTCAACTGCATGACACTGAATGTGGAGTG 900  
 L S G M A L A G I S L N C M T L N V E W  
 GATGCCCATTCACACACGGGCCTGCGTGGGCACCTTGATTGGCTATGTCTACAGCCTGGG 960  
 M P I H T R A C V G T L I G Y V Y S L G  
 CCAGTTCCTCCTGGCTGGTGTGGCTACGCTGTGCCCCACTGGCGCCACCTGCAGCTACT 1020  
 Q F L L A G V A Y A V P H W R H L Q L L  
 GGTCTCTGCGCCTTTTTTGCCTTCTTCATCTACTCCTGGTTCTTCATTGAGTCGGCCCCG 1080  
 V S A P F F A F F I Y S W F F I E S A R  
 CTGGCACTCCTCCTCCGGGAGGCTGGACCTCACCTGAGGGCCCTGCAGAGAGTCGCCCCG 1140  
 W H S S S G R L D L T L R A L Q R V A R  
 GATCAATGGGAAGCGGAAGAAGGAGCCAAATTGAGTATGGAGGTACTCCGGGCCAGTCT 1200  
 I N G K R E E G A K L S M E V L R A S L  
 GCAGAAAGGAGCTGACCATGGGCAAAGGCCAGGCATCGGCCATGGAGCTGCTGCGCTGCCC 1260  
 Q K E L T M G K G O A S A M E L L R C P  
 CACCTCCGCCACCTCTTCCTCTGCCTCTCCATGCTGTGGTTTGCCACTAGCTTTGCATA 1320  
 T L R H L F L C L S M L W F A T S F A Y  
 CTATGGGCTGGTCATGGACCTGCAGGGCTTTGGAGTCAGCATCTACCTAATCCAGGTGAT 1380  
 Y G L V M D L Q G F G V S I Y L I Q V I  
 CTTTGGTGCTGTGGACCTGCCTGCCAAGCTTGTGGGCTTCCTTGTCATCAACTCCCTGGG 1440  
 F G A V D L P A K L V G F L V I N S L G  
 TCGCCGGCCTGCCAGATGGCTGCACTGCTGCTGGCAGGCATCTGCATCCTGCTCAATGG 1500  
 R R P A Q M A A L L L A G I C I L L N G  
 GGTGATACCCAGGACCAGTCCATTGTCCGAACCTCTCTTGCTGTGCTGGGGAAGGGTTG 1560  
 V I P Q D O S I V R T S L A V L G K G C

FIG. 2

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TCTGGCTGCCTCCTTCAACTGCATCTTCCTGTATACTGGGGAAGTGTATCCCACAATGAT 1620  
L A A S F N C I F L Y T G E L Y P T M I

CCGGCAGACAGGCATGGGAATGGGCAGCACCATGGCCCGAGTGGGCAGCATCGTGAGCCC 1680  
R Q T G M G M G S T M A R V G S I V S P

ACTGGTGAGCATGACTGCCGAGCTCTACCCCTCCATGCCTCTCTTCATCTACGGTGCTGT 1740  
L V S M T A E L Y P S M P L F I Y G A V

TCCTGTGGCCGCCAGCGCTGTCACTGTCTCCTGCCAGAGACCCTGGGCCAGCCACTGCC 1800  
P V A A S A V T V L L P E T L G Q P L P

AGACACGGTGCAGGACCTGGAGAGCAGGAAAGGGAAACAGACGCGACAGCAACAAGAGCA 1860  
D T V Q D L E S R K G K Q T R Q Q Q E H

CCAGAAGTATATGGTCCCACTGCAGGCCTCAGCACAAGAGAAGAATGGACTCTGAGGACT 1920  
Q K Y M V P L Q A S A Q E K N G L

GAGAAGGGGCCTTACAGAACCCTAAAGGGAGGGAAGGTCCTACAGGTCTCCGGCCACCCA 1980

CACAAGGAGGAGGAAGAGGAAATGGTGACCCAAGTGTGGGGGTTGTGGTTCAGGAAAGCA 2040

TCTTCCCAGGGGTCCACCTCCCTTTATAAACCCACCAGAACCATCATTAAAAGGTTT 2100

GA CTGCGAAAAAAAAAAAAAAAAA → 2123

FIG. 3